FIG. 1

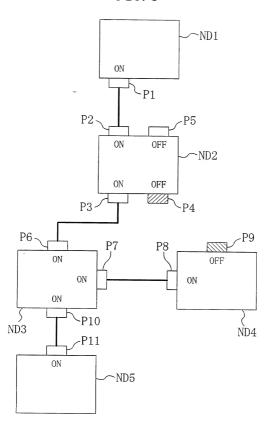


FIG. 2

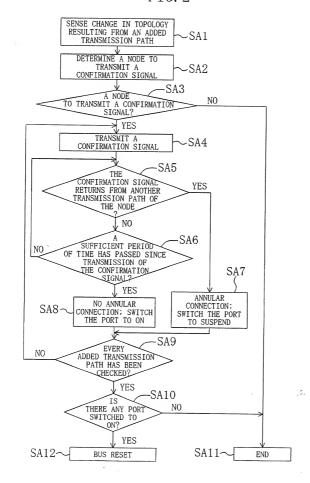


FIG. 3 ND1 ON -P1 P2 P5 ON 0FF ND2 ON TEST Р3 P4 cs Р6 P9 Р8 ON TEST TRANSMITTING PORT ON ON ON -P10 ND3 ND4 -P11 ON ND5

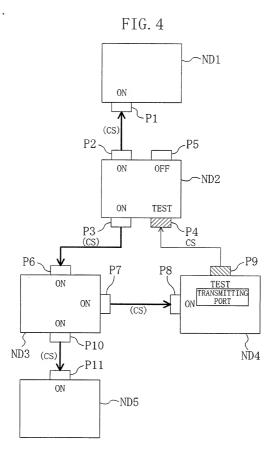


FIG. 5 ND1 ON P1 P2-P5 ON OFF ND2 ON OFF Р3-·P4 P6 P9 P8 ON SUSPEND ON ON ON -P10 ND3 ND4 -P11 ON ND5

FIG. 6A

[A SMALL NUMBER OF COMMUNICATION NODES] TIME \rightarrow

WHEN BOTH NODES CONDUCT A A

WHEN A NODE TO CONDUCT CONFIRMATION PROCESS IS C A SELECTED

FIG. 6B

[A LARGE NUMBER OF COMMUNICATION NODES]

WHEN BOTH NODES CONDUCT CONFIRMATION PROCESS
WHEN A NODE TO CONDUCT CONFIRMATION PROCESS IS SELECTED

- CONFIRMATION PROCESS IN THE CASE WHERE THERE ARE A SMALL NUMBER OF COMMUNICATION NODES
- CONFIRMATION PROCESS IN THE CASE WHERE THERE ARE A LARGE NUMBER OF COMMUNICATION NODES
- PROCESS OF DETERMINING A COMMUNICATION NODE TO CONDUCT CONFIRMATION PROCESS

FIG. 7 ND1 TEST -P1 P2 P5 (PORT 0) TEST (PORT 3) OFF ND2 TEST (PORT 1) TEST (PORT 2) РЗ -P4 P6 -P9 Р8 TEST TEST ON ON ON -P10 ND3 ND4 P11 ON ND5

FIG. 8 ND1 TEST -P1 P2 P5 (PORT 0) (TEST TRANSMITTING PORT (PORT 3) OFF ND2 TEST (PORT 1) TEST (PORT 2) P4 P6-.P9 Р8 Ρ7 TEST TRANSMITTING PORT TEST TRANSMITTING PORT ON -P10 NĎЗ ND4 P11 ON ND5

FIG. 9

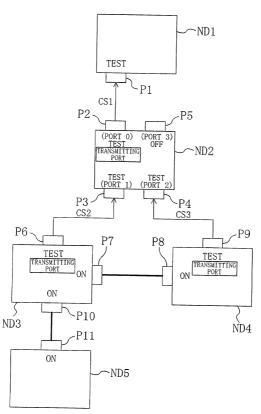


FIG. 10 ND1 ON P1 P2 P5 (PORT 0) ON (PORT 3) OFF ND2 ON (PORT 1) ON (PORT 2) ΡЗ P4 P6 Р9 P8 ON ON ON ON ON ND3 -P10 (ND4 -P11 ON ND5

FIG. 11

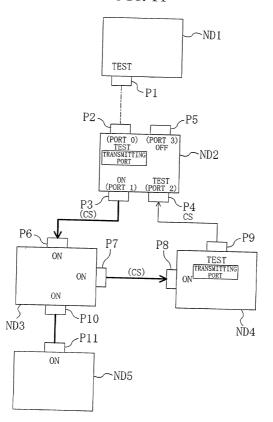


FIG. 12

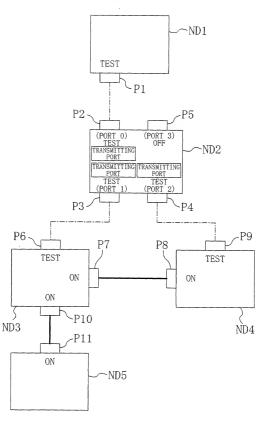


FIG. 13

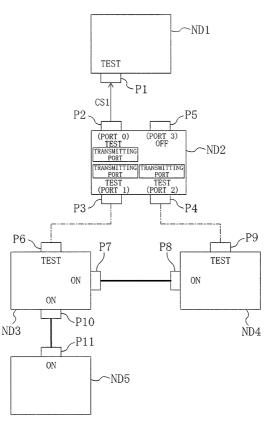


FIG. 14

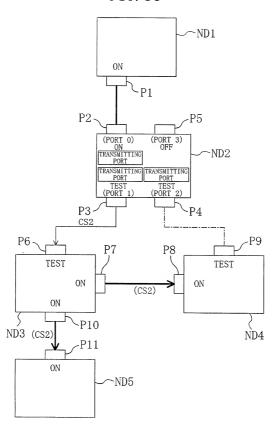
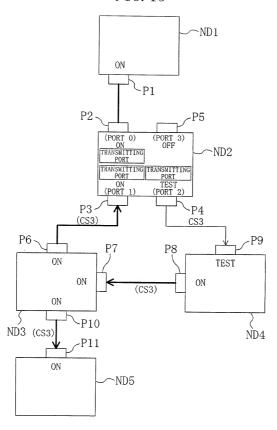


FIG. 15



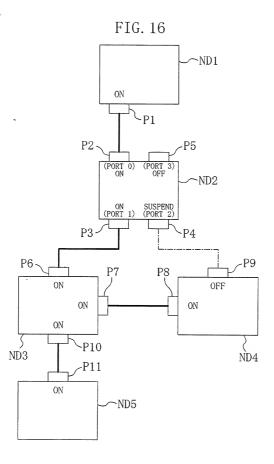
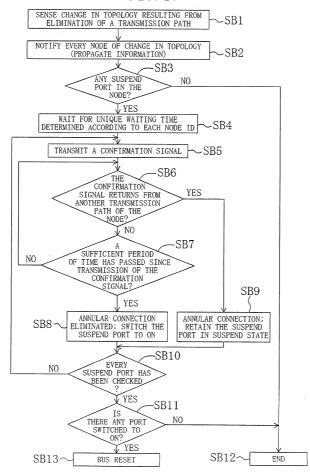
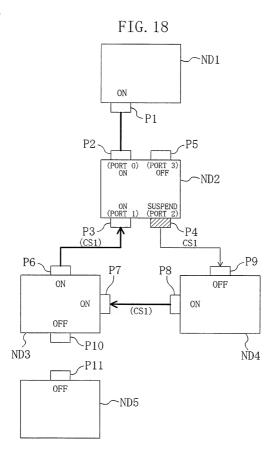


FIG. 17





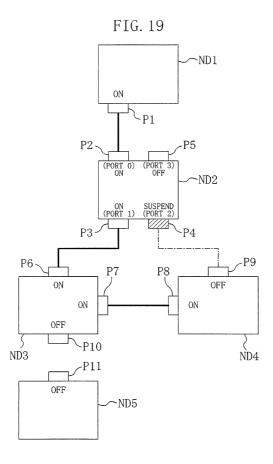


FIG. 20 ND1 ON P1 P2 -P5 (PORT 0) ON (PORT 3) OFF ND2 SUSPEND (PORT 2) OFF (PORT 1) РЗ -P4 CS2 -P9 P6-P7 Р8 0FF OFF OFF OFF 0FF -P10 ND3 ND4 P11 0FF ND5

FIG. 21 ND1 ON P1 P2-P5 (PORT 3) OFF (PORT 0) ON ND2 ON (PORT 2) OFF (PORT 1) ΡЗ -P4 P9 P6-Р8 OFF ON OFF OFF OFF ND3 -P10 ND4 -P11 OFF ND5